

TOP SECRET

NOTE: Referral to
on-sight NIMA Team
has been added, Jim
Mc, 6/8/04

DIAMC-TA/Mr. [REDACTED] /dw/17 Jun 68

JUN 18 1968

SUBJECT: Geodetic Positioning for ICBM Targets

TO: Director National Reconnaissance Office Staff

1. The COMPLEX M&G Sub-Working Group for Mission Planning is considering the application of a short arc orbit reduction technique, utilizing KH-4B frame materials, for improvements to target positions. To meet the criteria for a short arc solution we need, for each pass which will be used in the solution, photographic coverage of the geodetic control area prior to entrance and upon exit from the Sino-Soviet Bloc. Also required is a pattern of intersecting cross flights internal to the bloc. Since the normal intelligence mission [REDACTED] does not provide the necessary coverage and data, consideration is being given to the possibility of requesting a change in mission parameters.

2. Before such a request is made, however, we would like to obtain an estimate of the impact on the intelligence community. Our preliminary investigation indicates that [REDACTED] would provide the necessary control coverage and cross flights for a short arc type solution. Therefore, it is requested that you provide DIAMC with any penalties which might result from such a change in launch time.

3. Since we do not have the capability for accurate mission simulation, some other combination of launch time and inclination could meet our criteria and have less impact on the community. Accordingly, it is also requested that you determine the combination of mission parameters which best meets our criteria and has minimum impact on the intelligence collection capability. Criteria for the short arc solution require that the photography cover areas of geodetic control on both entrance to and exit from the Sino-Soviet Bloc and that a pattern of intersecting cross flights internal to the bloc be formed. Control areas which are acceptable are specifically designated in enclosure 1.

4. Since we are thinking about the August launch, it is essential that the information be available as soon as possible. Request information as to impact of a change in the launch be provided by 19 June. Request that the other data be provided early next week (24 June). Please advise DIAMC of the exact date that the data can be provided.

[REDACTED]
COLONEL, USAF

GROUP 1

DIA review(s) completed.

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NRO review(s) completed.

NIMA/NGA
review(s)
completed.

NRO
25X1

25X1
NRO

25X1

XEROX

1 Encl
a/s

25X1A

ILLEGIB

25X1D

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